

Contents—Volume 16, 1987/1988

Current Microbiology

© Springer-Verlag New York Inc. 1988

Number 1, 1987

David C. Straus, Jacqueline G. Brown, and Charles W. Garner High-density and Low-density Capsule Production by <i>Streptococcus zooepidemicus</i>	1
Yonat Shemer, Rina Kol, and Israel Sarov Tryptophan Reversal of Recombinant Human Gamma-interferon Inhibition of <i>Chlamydia trachomatis</i> Growth.....	9
Franck H. Karrenberg, Ivo Wildhaber, and Wolfgang Baumeister Surface Structure Variants in <i>Deinococcus radiodurans</i>	15
Emilia Quesada, Victoria Bejar, María José Valderrama, and Alberto Ramos-Cormenzana Growth Characteristics and Salt Requirement of <i>Deleya halophila</i> in a Defined Medium.....	21
Marta A. Clark and Ericka L. Barrett Catabolite Repression of Thiosulfate Reduction by <i>Salmonella typhimurium</i>	27
Maria Hrmova and Claude P. Selitrennikoff Protoplast Formation of <i>Neurospora crassa</i> by an Inducible Enzyme System of <i>Arthrobacter GJM-1</i>	33
Henrik Berg Rasmussen Subgrouping of Lipopolysaccharide O Antigens from <i>Vibrio anguillarum</i> Serogroup O2 by Immunoelectrophoretic Analyses	39
Margaret L. Gallagher and William F. Burke, Jr. Construction of Hybrid Plasmid Vectors for Cloning in <i>Escherichia coli</i> , <i>Bacillus subtilis</i> , and the Cyanobacterium <i>Anacystis nidulans</i>	43
J.M. Lynch In vitro Identification of <i>Trichoderma harzianum</i> as a Potential Antagonist of Plant Pathogens	49
Stuart B. Price, Carol J. Phelps, Tracy D. Wilkins, and John L. Johnson Cloning of the Carbohydrate-binding Portion of the Toxin A Gene of <i>Clostridium difficile</i>	55

Number 2, 1987

Bhupinder K. Soni, Kumudeshwar Das, and Tarun K. Ghose Inhibitory Factors Involved in Acetone-Butanol Fermentation by <i>Clostridium saccharoperbutylacetonicum</i>	61
G. Gurujeyalakshmi and A. Mahadevan Dissimilation of Ferulic Acid by <i>Bacillus subtilis</i>	69
R. Rao, M. Banerjee, A. Kumar, and H.D. Kumar Hydrogen-supported Nitrogenase Activity in Two Cyanobacteria	75
Nalin Rastogi, Marie-Christine Potar, and Hugo L. David Intracellular Growth of Pathogenic Mycobacteria in the Continuous Murine Macrophage Cell Line J-774: Ultrastructure and Drug-susceptibility Studies	79
Valerie A. Corfield, Dawie P. Botes, and Jennifer A. Thomson A Molecular Approach to the Characterization of an Industrial <i>Bacillus amyloliquefaciens</i> Strain	93
Roderick V. Asmundson and William J. Kelly Isolation and Characterization of Plasmid DNA from <i>Ruminococcus</i>	97
Jyothi Gupta, Steven D. Harris, and David A. Cotter Evidence for Nonregulatory Trehalase Activity in <i>Dictyostelium discoideum</i>	101
Henrik B. Rasmussen Evidence for Two New <i>Vibrio anguillarum</i> K Antigens.....	105
M.S. Richard, M.R.G. van Broock, and L.I.C. Figueroa Restoration of Respiratory Competence in the Yeast <i>Candida utilis</i> after Somatic Fusion with <i>Saccharomyces cerevisiae</i> ...	109
Ashwani Kumar Rai and Surendra Singh Urease of Blue-green Algae (Cyanobacteria) <i>Anabaena doliolum</i> and <i>Anacystis nidulans</i>	113

Number 3, 1987

Stephen A. Klotz and Robert L. Penn Multiple Mechanisms May Contribute to the Adherence of <i>Candida</i> Yeasts to Living Cells.....	119
Herman Friedman, Thomas Klein, Catherine Newton, and Raymond Widen <i>Legionella pneumophila</i> -induced Suppression of Early Blastogenic Responsiveness of Murine Spleen Cells to Specific and Nonspecific Stimulation in vitro.....	123
Stanisława K. Tylewska and Ronald J. Gibbons Application of Percoll Density Gradients in Studies of the Adhesion of <i>Streptococcus pyogenes</i> to Human Epithelial Cells	129
William F. Fett, Michael F. Dunn, Grace T. Maher, and Beverly E. Maleef Bacteriocins and Temperate Phage of <i>Xanthomonas campestris</i> pv. <i>glycines</i>	137
Henrik Berg Rasmussen and Jens Laurits Larsen Further Antigenic Analyses of the Fish Pathogenic Bacterium <i>Vibrio anguillarum</i>	145
Martha D. Berliner and Robert W. Fisher Surface Lectin Binding to <i>Anabaena variabilis</i> and to Cultured and Freshly Isolated <i>Anabaena azollae</i>	149
N.R. Kamini and P. Gunasekaran Simultaneous Ethanol Production from Lactose by <i>Kluyveromyces fragilis</i> and <i>Zymomonas mobilis</i>	153
V.V. Lakshmi, Sridhar Padma, and H. Polasa Elimination of Multidrug-resistant Plasmid in Bacteria by Plumbagin, a Compound Derived from a Plant.....	159
Daniel R. Zeigler, Brian E. Burke, Robert M. Pfister, and Donald H. Dean Genetic Mapping of Cadmium Resistance Mutations in <i>Bacillus subtilis</i>	163
Shin-ichi Okuda, Toyoaki Ito, and Kazutoshi Ito Pyocyanine as a Potent Inhibitor for the Growth of <i>Rhodopseudomonas sphaeroides</i> B5	167
Niels J. Galjart, Natarajan Sivasubramanian, and Brian A. Federici Plasmid Location, Cloning, and Sequence Analysis of the Gene Encoding a 27.3-Kilodalton Cytolytic Protein from <i>Bacillus thuringiensis</i> subsp. <i>morrisoni</i> (PG-14).....	171

Number 4, 1988

Teresa I. Mercado, M. Patricia Strickler, Kenner C. Rice, and Victor J. Ferrans Purification of an Antitrypanosomal Factor from <i>Pseudomonas fluorescens</i> by High-pressure Liquid Chromatography.....	179
Jordi Barbé, Eloi Gari, and Montserrat Llagostera Regulation of lac Operon in Lactose-utilizing Mutants of <i>Rhodobacter capsulatus</i>	185
Lorraine G.M. Duchesne, Joseph S. Lam, Leslie A. MacDonald, Christopher Whitfield, and Andrew M. Kropinski Effect of pH and Acrylamide Concentration on the Separation of Lipopolysaccharides in Polyacrylamide Gels	191
Francis A. Drobniowski and David J. Ellar Investigation of the Membrane Lesion Induced in vitro by Two Mosquitocidal 8-Endotoxins of <i>Bacillus thuringiensis</i>	195
Leta O. Helsel, William F. Bibb, Charles A. Butler, Paul S. Hoffman, and Roger M. McKinney Recognition of a Genus-wide Antigen of <i>Legionella</i> by a Monoclonal Antibody	201
Stanisława K. Tylewska, Vincent A. Fischetti, and Ronald J. Gibbons Binding Selectivity of <i>Streptococcus pyogenes</i> and M-protein to Epithelial Cells Differs from that of Lipoteichoic Acid	209
Yohko Kawai, Ikuya Yano, and Kenji Kaneda A New Type of Phosphoglycerolipid from <i>Pseudomonas cepacia</i>	217
Ewald Srebotnik, Kurt Messner, Roland Foisner, and Bert Pettersson Ultrastructural Localization of Ligninase of <i>Phanerochaete chrysosporium</i> by Immunogold Labeling	221
Philippe Simoneau and Jacques Labarère Isolation of <i>Spiroplasma citri</i> Membranes and Characterization of Membrane Proteins by Two-dimensional Gel Electrophoresis	229

Contents—Volume 16

Number 5, 1988

Daniel R. Caldwell and Carla J. Danzer Effects of Allyl Sulfides on the Growth of Predominant Gut Anaerobes	237
M. Dolores Moragues, Juan A. Asturias, and María-Jesús Sevilla Morphogenetic Potency of Short-chain <i>n</i> -Alkanols Related to <i>Aureobasidium pullulans</i> Dimorphism.....	243
Renate Rosengarten and Helga Kirchhoff Energetic Aspects of the Gliding Motility of Mycoplasmas	247
Renate Rosengarten, Michael Fischer, Helga Kirchhoff, Gabriele Kerlen, and Karl-Heinz Seack Transport of Erythrocytes by Gliding Cells of <i>Mycoplasma mobile</i> 163K	253
Carla Pruzzo and Giuseppe Satta Capsular Antigenic Variations by Lysogenic Conversion in <i>Klebsiella pneumoniae</i> : Relationship with Virulence	259
James A. Lindsay Characterization of Bacterial Spores from High-temperature Growth Transformants of <i>Bacillus subtilis</i>	265
JoAnn J. Webster, Billy G. Walker, and Franklin R. Leach ATP Content and Adenylate Energy Charge of <i>Bacillus stearothermophilus</i> during Growth.....	271
Huw D. Williams and Robert K. Poole Cytochromes of <i>Acetobacter pasteurianus</i> NCIB 6428: Reaction with Oxygen of Cytochrome <i>a</i> in Cells, Membranes, and Nonsedimentable Subcellular Fractions.....	277
Felix Claverie-Martin, Maria R. Diaz-Torres, and Michael J. Geoghegan Chemical Composition and Ultrastructure of Wild-type and White Mutant <i>Aspergillus nidulans</i> Conidial Walls	281
David R. Quigley and Claude P. Selitrennikoff β (1-3)Glucan Synthase of <i>Neurospora crassa</i> : Reaction Sequence Based on Kinetic Evidence	289

Number 6, 1988

Suhail Ahmad and Roy A. Jensen Phylogenetic Distribution of Components of the Overflow Pathway to L-Phenylalanine within the Enteric Lineage of Bacteria	295
Indrani Roy, Sanjay K. Shukla, and Ajit K. Mishra <i>n</i> -Dodecane as a Substrate for Nitrogen Fixation by an Alkane-utilizing <i>Azospirillum</i> sp.....	303
Ina H. Pratt-Terpstra, Anton H. Weerkamp, and Henk J. Busscher On a Relation between Interfacial Free Energy-dependent and Noninterfacial Free Energy-dependent Adherence of Oral Streptococci to Solid Substrata	311
Charles W. Haidle, Sandra Hunter McKinney, and Donald L. Robberson PM2 Bacteriophage Plaque Morphology Mutants Exhibit Differences in DNA Length and Restriction Endonuclease Patterns	315
Z. Malik, H. Ladan, J. Hanania, and Y. Nitza Mesosomal Structures and Antimicrobial Activity Induced by Hemin Oxidation or Porphyrin Photodynamic Sensitization in <i>Staphylococci</i>	321
Karin Andréasson, K. Elisabeth Norin, and Tore Midvedt Influence of Ampicillin, Clindamycin or Metronidazole upon the 7 α -Dehydroxylation of Bile Acids in Human Intestine.....	329
Yoshimasa Yamamoto, Thomas W. Klein, and Herman Friedman <i>Legionella pneumophila</i> Intracellular Growth in Normal vs. Immune Guinea Pig Macrophage Cultures	333
Karen Barsuhn, S. Theodore Chester, Jr., and Jane A.Z. Leedle In vitro Detachment of Bacteria from Ruminal Digesta by Buffered Sodium Oleate Solutions	337